



PTO/SB/08A Substitute for Form PTO-1449		Application Number	10/730,879
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Filing Date	December 8, 2003
		First Named Inventor	Bozidar Stipanovic
		Art Unit	1773
		Examiner Name	Leszek B. Kiliman
Sheet	1	of	4
		Attorney Docket	79836

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		TULLO, ALEXANDER H., Maintaining A Charge Li batteries have enjoyed high growth, but experts wonder if sector is running out of power, C&EN, July 15, 2002, pages 25 and 26, C&EN Northeast News Bureau.	
		ALPER, JOE, Building A Better Battery, Chemistry, Autumn 2002.	
		ALPER, JOE, Battery Chemistry,	
		JOHNSON, LYNDON B., Lithium-Ion Batteries for Demanding Applications, NASA Tech Briefs, November 2002.	
		WANG, YIZUAN; NAKAMURA, SHINICHIRO; TASAKI, KEN; and BALBUENA, PERLA B., Theoretical Studies To Understand Surface Chemistry on Carbon Anodes for Lithium-Ion Batteries: How Does Vinylene Carbonate Play Its Role as an Electrolyte Additive?, Journal of American Chemical Society, 2002, pages 4408-4421, published on web 3/30/02.	
		WANG, QING; HONG, LI; HUANG, ZUEJIE and CHEN, LIQUAN, Determination of Chemical Diffusion of Lithium Ion in Graphitized Mesocarbon Microbeads with Potential Relaxation Technique, Journal of the Electrochemical Society, 148(7) pages A737-A741 (2001).	
		GUERIN, KATIA; FEVRIER-BOUVIER, ANNIE; FLANDROIS, SERGE; COUZI, MICHAEL; SIMON, BERNARD and BIENSAN, PHILIPPE, Effect of Graphite Crystal Structure on Lithium Electrochemical Intercalation, Journal of The Electrochemical Society, 146 (10), pages 3660-3665 (1999).	
		ARORA, PANKAJ; DOYLE, MARC and WHITE, RALPH E., Mathematical Modeling of the Lithium Deposition Overcharge Reaction in Lithium-Ion Batteries Using Carbon-Based Negative Electrodes, The Electromechanical Society, Inc., pages 3543-3553.	
		FRANSSON, L.; ERIKSSON, T.; GUSTAFSON, T. and THOMAS, J. O., Influence of Carbon Black and Binder on Li-Ion Batteries, Journal of Power Sources 101 (2001) pages 1-9.	
		LI, HONG; WANG, QING; SHI, LIHONG; CHEN, LIQUAN, and HAUNG, XUEJIE, Nanosized SnSb Alloy Pinning on Hard Non-Graphitic Carbon Spherules as Anode Materials for a Li Ion Battery, American Chemical Society, 2002, pages 103-108, Chemical Matter, Vol. 14, No. 1, 2002.	
		SANDI, G.; CARRADO, K. A.; WINANS, R.E.; JOHNSON, C.S., and CSENSITS, R., Carbons for Lithium Battery Applications Prepared Using Sepiolite as an Inorganic Template, The Electrochemical Society, Inc., 146(10), pages 3644-3648.	
		SANDI, G.; CARRADO, K. A.; WINANS, R.E.; SEIFERT, S., and CARRADO, K. A., In Situ SAXS Studies of the Structural Changes of Sepiolite Clay and Sepiolite - Carbon Composites with Temperature, American Chemical Society, Chemical Matter, 2002, 14, pages 739-742.	
		KOHLER, JOACHIM; MAKIHARA, HIROSHI; UEGAITO, HISAKAZU; INOUE, HITOSHI and TOKI, MOTOYUKI, LV ₃ O ₈ characterization as anode material for an aqueous rechargeable Li-ion battery system, Electrochimica Acta 46 (2000) pages 59-65, Elsevier Science Ltd.	
		LEE, JAE-SEUNG; JOO, SAN HOON and RYOO, RYONG, Synthesis of Mesoporous Silicas of Controlled Pore Wall Thickness and Their Replication to Ordered Nanoporous Carbons with Various Pore Diameters, Journal of American Chemical Society, pages 1156-1157, Vol. 124, No. 7, 2002.	

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¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		HOSSAIN, SOHRAB; SALEH, YOUSRY and LOUTFY, RAOUF, Carbon-carbon composite as anodes for lithium-ion battery systems, Journal of Power Sources 96 (2001), pages 9-13, Elsevier Scient B.V.	
		Bigger, Cheaper, Safer Batteries, New material charges up lithium-ion battery work, Science News - This Week, September 28, 2002, Vol. 162, pages 196 and 197.	
		LI, YAN-HUI; XU, CAILU; WEIG, BINGQING; ZHANG, XIANFENG; ZHENG, MINGXIN; WU, DEHAI and AJAYAN, P.M., Self-organized Ribbons of Aligned Carbon Nanotubes, Chemical Matter, 2002, 14, pages 483-485, American Chemical Society.	
		JIANG, ZIQUN; YU, HYUK; FRAYNE, RICHARD; UNAL, ORHAN and STROTHER, CHARLES M., Surface Functionalization of Polyethylene for Magnetic Resonance Signal-Enhancing Coating Materials, Chemical Matter, 2002, 14, pages 1914-1920, American Chemical Society, published on web 4/4/02.	
		POCKER, Y and SPYRIDIS, GREG T., Electrostatic Modulation by Ionic Aggregates: Charge Transfer Transitions in Solutions of Lithium Perchlorate - Diethyl Ether, Journal of American Chemical Society, Vol. 24, No. 25, 2002, pages 7390-7394, published on web 5/31/02.	
		SUN, X.; LEE, H. S.; YANG, X. Q. and McBRENN, J., Comparative Studies of the Electromechanical and Thermal Stability of Two Types of Composite Lithium Battery Electrolytes Using Boron-Based Anion Receptors, Journal of The Electrochemical Society, 146 (10) pages 3655-3659, 1999.	
		HASEGAWA, KOICHI; TATSUMISAGO, MASAHIRO and MINAMI, TSUTOMU, Preparation of Novel Lithium-Ion Conductors Composed of LiSCN-AlCl ₃ and Silica Particles, The Electrochemical Society, Inc., Vol. 146 (10), pages 3549-3542, 1999.	
		WATANABE, M.; ENDO, T.; NISHIMOTO, A.; MIURA, K. and YANAGIDA, M., High Ionic Conductivity and Electrode Interface Properties of Polymer Electrolytes Based on High Molecular Weight Branched Polyether, Journal of Power Sources, 1999, 81, pages 786-789, ChemWeb.com, 9/9/02.	
		THANGADURAI, V.; SHUKLA, A. K.; and GOPALAKRISHNAN, J., LiSr _{1.85} O _{0.35} B _{1.3} B' _{1.7} O ₉ (B = Ti, Zr; B' = Nb, Ta): New Lithium Ion Conductors Based on the Perovskite Structure, Chemical Matter, 1999, 11, pages 835-839, American Chemical Society.	
		LI, TAO and BALBUENA, PERLA B., Theoretical Studies of Lithium Perchlorate in Ethylene Carbonate Propylene Carbonate, and Their Mixtures, The Electrochemical Society, Inc., 146, (10), pages 3613-3622 (1999).	
		KUMAR, P. PADMA and YASHONATH, SUBRAMANIAN, A Full Interionic Potential for Na _{0.2} Zr ₂ Si ₂ P ₃ O ₁₂ Superionic Conductors, Journal of American Chemical Society, 2002, 124, pages 3828-3829, American Chemical Society, published on web 3/22/02.	
		MacNEIL, D. D.; LARCHER, D. and DAHN, J.R., Comparison of the Reactivity of Various Carbon Electrode Materials with Electrolyte at Elevated Temperature, Journal of The Electrochemical Society, 146 (10) pages 3596-3602 (1999).	
		DUKOUTCHAEV, ALEXANDRE G.; ABDELRAZZAQ, FERAS and THOMPSON, MARK E., Multipcomponent Electrodes for Water Oxidation: From Combinatorial to Individual Electrode Study, Chemical Matter, 2002, 14, pages 3343-3348, American Chemical Society, published on web 6/25/02.	
		POZIO, A.; GIORGI, L.; ANTONLINI, E. and PASSALACQUA, E., Electrooxidation of H ₂ on Pt-Ru/C and Pt-Mo/C anodes for polymer electrolyte fuel cell, Electrochimica Acta 46 (2000), pages 555-561, Elsevier Science Ltd.	
		LIN, CHUAN; RITTER, JAMES A. and POPOV, BRANKO N., Correlation of Double-Layer Capacitance with the Pore Structure of Sol-Gel Derived Carbon Xerogels, Journal of The Electrochemical Society, 146 (10), pages 3639-3643 (1999), The Electrochemical Society, Inc.	
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		LEE, JINWOO; YOON, SONGHUM; HYEON, TAEGHWAN, OH, SEUNG M. and KIM, KI BUM, Synthesis of a new mesoporous carbon and its application to electrochemical double-layer capacitors, Chem. Comm., 1999, pages 2177-2178.	
		HUGHES, MARK; CHEN, GEORGE Z.; SHAFFER, MILO S. P.; FRAY, DEREK J. and WINDLE, ALAN H., Electrochemical Capacitance of a Nanoporous Composite of Carbon Nanotubes and Polypyrrole, Chemical Matter, 2002, 14, pages 1610-1613, American Chemical Society, published on web 2/21/02.	
		LIN, CHUAN; RITTER, JAMES A. and POPOV, BRANKO N., Development of Carbon-Metal Oxide Supercapacitors from Sol-Gel Derived Carbon-Ruthenium Xerogels, Journal of The Electrochemical Society, 146 (9), pages 3155-3160 (1999), The Electrochemical Society, Inc.	
		Device Delivers Fast, High Power, R & D Magazine, September 2002.	
		CHANG, YU-HSU; WANG, HSIAO-WAN; CHIU, CHING-WEN; CHENG, DER-SUN; YEN, MING-YU and CHIU, HSIN-TIEN, Low-Temperature Synthesis of Transition Metal Nanoparticles from Metal Complexes and Organopolysilane Oligomers, Chemical Matter, 2002, 14, pages 4334-4338, American Chemical Society, published on web 9/7/02.	
		CARUSO, RACHEL A. and ANTONIETTI, MARKUS, Sol-Gel Nanocoating: An Approach to the Preparation of Structured Materials, Chemical Matter, 2001, 13, pages 3272-3282, American Chemical Society, published on web 7/6/01.	
		GADD, G. E.; BLACKFORD, M.; MORICCA, S.; WEBB, N.; EVANS, P. J.; SMITH, A. M.; JACOBSEN, G.; LEUNG, S.; DAY, A. and HUA, Q., The World's Smallest Gas Cylinders?, Science, Vol. 277, 15 August 1997, pages 933-936.	
		KOWALEWSKI, TOMASZ; TSRAEVSKY, NICOLAY V. and MATYJASZEWSKI, KRZYSTOF, Nanostructured Carbon Arrays from Block Copolymers of Polyacrylonitrile, Journal of American Chemical Society, 2002, 124, pages 10632-10633, American Chemical Society.	
		SON, SEUNG, UK; PARK, KANG, HYUN and CHUNG, YOUNG KEUN, Sequential Actions of Cobalt Nanoparticles and Palladium (II) Catalysts: Three-Step One-Pot Synthesis of Fenestranes from an Enyne and an Alkyne Diester, Journal of American Chemical Society, 2002, 124, pages 6838-6839, American Chemical Society.	
		GAO, G. T.; MIKULSKI, PAUL T. and HARRISON, JUDITH A., Molecular-Scale Tribology of Amorphous Carbon Coatings: Effects of Film Thickness, Adhesion, and Long-Range Interactions, Journal of American Chemical Society, 2002, 124, pages 7202-7209, American Chemical Society.	
		AURBACH, D; GOFER, Y.; LU, Z.; SCHNECHTER, A.; CHUSTA, O.; GLZBAR, H.; COHEN, Y.; ASHKENAZI, V.; MOSHKOVICH, M.; TURGEMAN, R. and LEVI, E., A short review on the comparison between Li battery systems and rechargeable magnesium battery technology, Journal of Power Sources, 2001, 97-98: pages 28-32, ChemWeb.com.	
		WEIDENKAFF, ANKE; EBBINGHAUS, STEFAN, G. and LIPPERT, THOMAS, Ln _{1-x} A _x CoO ₃ (Ln = Er, La; A = Ca, Sr)/Carbon Nanotube Composite Materials Applied for Rechargeable Zn/Air Batteries, Chemical Matter, 2002, 14, pages 1797-1805, American Chemical Society, published on web 3/22/02.	
		CZECHOWSKI, FRANCISZEK; JANKOWSKA, ANNA; SIEMIENIEWSKA, TERESA; TOMKOW, KAZIMIERZ and GRILLET, YVES, Comparaison du développement de la texture poreuse de charbons de saccharose, cellulose et lignine, au de leur carbonisation, Bulletin De La Société Chimique de France, 1980, No. 7-8, pages 1-249-254.	

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		GAUTIER, S.; LEROUS, F.; FRANCKOWIAK, E.; FAUGERE, A. M.; ROUZAUD, J.-N. and BÉGUIN, F., Influence of the Pyrolysis Conditions on the Nature of Lithium Inserted in Hard Carbons, J. Phys. Chem. A2001, 105, pages 5794-5800, American Chemical Society, published on web 5/18/01.	
		TANAHASHI, ICHIRO; YOSHIDA, AKIHIKO and NISHINO, ATSUSHI, Preparation and Characterization of Activated Carbon Tablets for Electric Double Layer Capacitors, Bull. Chem. Soc. Jpn., 63, pages 2755-2578 (1990), The Chemical Society of Japan.	
		YAMAMOTO, OSAMU and SAWAI, JUN, Preparation and Characterization of Novel Activated Carbons with Antibacterial Function, Bull. Chem. Soc. Jpn., 74, pages 1761-1765, (2001), The Chemical Society of Japan.	
		MALEKI, HOSSEIN; DENG, GUOPING; ANANI, ANABA and HOWARD JASON, Thermal Stability Studies of Li-Ion Cells and Components, Journal of The Electrochemical Society, 146 (9) pages 3224-3229 (1999), The Electrochemical Society.	
		ITO, TAKASHI and McCREERY, RICHARD L., In Situ Raman Spectroelectrochemistry of Electron Transfer between Glassy Carbon and a Chemisorbed Nitroazobenzene Monolayer, Journal of American Chem. Society, 2002, 124, pages 10894-10902, American Chemical Society, published on web 8/17/02.	
		DILLION, A. C.; JONES, K.M.; BEKKEEDAH, T. A.; KIANG, C. H.; BETHUNE, D.S. and HEBEH, M. J., Storage of hydrogen in single-walled carbon nanotubes, Nature, Vol. 386, 27 March 1997, pages 377-379	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ²			
X		US-5,874,184 A	02/23/1999	Takeuchi et al.	
X		US-6,110,621 A	08/29/2000	Sandi et al.	

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